

Permit to Operate

FACILITY: N-180

EXPIRATION DATE: 10/31/200

LEGAL OWNER OR OPERATOR: CARPENTER CO.

MAILING ADDRESS: P O BOX 279
LATHROP, CA 95330

FACILITY LOCATION: 17100 S HARLAN ROAD
LATHROP, CA 95330

FACILITY DESCRIPTION: FOAM MANUFACTURING

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-0-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

Initial TV Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

Initial TV Permit

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a risk management plan and comply with all the requirements of program 1, 2, or 3 when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. Effective September 15, 2001, all transfer pumps in diisocyanate service shall be sealless pumps. [40 CFR 63.1294], [Federally Enforceable Through Title V]
43. Effective September 15, 2001, all components in diisocyanate service shall be visually inspected for leakage on an annual basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
44. Effective September 15, 2001, if any evidence of a leak is found in a component in diisocyanate service, it shall either be repaired within 15 working days, or the component must be removed from diisocyanate service. The first attempt at repair must occur within 5 calendar days after detection. Repair of valves and connectors may be delayed beyond 15 working days if the emissions created by purging lines immediately would be greater than those likely to result from the leakage and, when the component is repaired, the purged material is effectively recovered or destroyed. [40 CFR 63.1294], [Federally Enforceable Through Title V]
45. Effective September 15, 2001, all transfer pumps in HAP auxiliary blowing agent service shall be sealless pumps or, If a sealless pump is not used, the operator shall comply with the leak monitoring provisions of 63.1296(a)(2). If a reading of 10,000 ppm or greater is measured, a leak is present. [40 CFR 63.1296], [Federally Enforceable Through Title V]
46. Effective September 15, 2001, each valve in HAP auxiliary blowing agent service, except those designated as unsafe to monitor or difficult to monitor, shall be monitored on a quarterly basis to detect leaks. If a reading of 10,000 ppm or greater is measured, a leak is present. [40 CFR 63.1296], [Federally Enforceable Through Title V]
47. If a valve leak is detected, the operator shall repair the leak as soon as practicable, but no later than 15 days after detection. Where practicable, a first attempt at repair shall include (but shall not be limited to) tightening of bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts, and lubrication of packing. A first attempt at repair shall be made within five days of leak detection. Repair of valves may be delayed beyond 15 working days if the emissions created by purging lines immediately would be greater than those likely to result from the leakage and, when the component is repaired, the purged material is effectively recovered or destroyed. [40 CFR 63.1296], [Federally Enforceable Through Title V]

Initial TV Permit

48. Valves may only be designated as unsafe-to-monitor if compliance with the monitoring provisions of this permit would otherwise expose monitoring personnel to immediate danger. The owner/operator shall prepare and implement a written plan that requires unsafe-to-monitor valves to be monitored as frequently as practicable during times when monitoring is safe. The plan for monitoring these valves shall require that leaks be repaired as soon as possible after detection. Unsafe-to-monitor valves shall be monitored and leaks shall be repaired in accordance with the written plan. [40 CFR 63.1296], [Federally Enforceable Through Title V]
49. Valves may only be designated as difficult-to-monitor if the valve either cannot be monitored without lifting monitoring personnel at least seven feet above a support surface or is not accessible at any time in a safe manner. The owner/operator shall prepare and implement a written plan that requires these valves to be monitored at least once per year. The plan for monitoring these valves shall require that leaks be repaired as soon as possible after detection. Difficult-to-monitor valves shall be monitored and leaks shall be repaired in accordance with the written plan. No more than three percent of the valves at any news ource may be designated as difficult to monitor. [40 CFR 63.1296], [Federally Enforceable Through Title V]
50. Effective September 15, 2001, each connector in HAP auxiliary blowing agent service, except those designated as unsafe-to-monitor, shall be monitored on an annual basis to detect leaks. If a reading of 10,000 ppm or greater is measured, a leak is present. If a connector seal has been broken, opened, or found to leak, the connector must be monitored within three months of being returned to HAP auxiliary blowing agent service. If a connector leak is detected, unless the connector is designated as unsafe-to-repair, the operator shall repair the leak as soon as practicable but no later than 15 days after detection. A first attempt at repair shall be made within five days of leak detection. Repair of valves and connectors may be delayed beyond 15 working days if the emissions created by purging lines immediately would be greater than those likely to result from the leakage and, when the component is repaired, the purged material is effectively recovered or destroyed. [40 CFR 63.1296], [Federally Enforceable Through Title V]
51. If a pressure relief valve leak is detected, the operator shall repair the leak as soon as practicable, but no later than 15 days after detection. A first attempt at repair shall be made within five days of leak detection. [40 CFR 63.12 96], [Federally Enforceable Through Title V]
52. Effective September 15, 2001, each open-ended valve or line in HAP auxiliary blowing agent service, except those that are designed to open automatically as part of an emergency shutdown system, shall be equipped with a cap, blind flange, plug, or second valve. The cap, blind flange, plug, or second valve shall seal the open end at all times except during maintenance, repair, or operations requiring process fluid flow through the valve. [40 CFR 63.1296], [Federally Enforceable Through Title V]
53. Each open-ended valve or line in HAP auxiliary blowing agent service equipped with a second valve shall be operated so that the valve on the process fluid end is closed before the second valve is closed. When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the lines between the block valves. [40 CFR 63.1296], [Federally Enforceable Through Title V]
54. Effective September 15, 2001, no material containing a HAP or a combination of HAPs in a concentration of five percent or greater shall be used as an equipment cleaner in a slabstock, molded, or rebond flexible polyurethane foam production operation. No material containing a concentration of five percent or more of any HAP or combination of HAPs shall be used as equipment cleaner to flush the mixhead in a molded polyurethane foam production. Diisocyanates may be used to flush the mixhead and associated piping provided that the diisocyanates are contained in a closed loop system and are reused in production. Product data sheets showing the concentration of HAPs in each equipment cleaner shall be maintained. [40 CFR 63.1298, 40 CFR 63.1300, 40 CFR 63.1301], [Federally Enforceable Through Title V]
55. Effective September 15, 2001, the Owner/Operator shall maintain a list of components in diisocyanate service and a list of all components in HAP auxiliary blowing agent service. [40 CFR 63.1307], [Federally Enforceable Through Title V]
56. Effective September 15, 2001, the Owner/Operator shall maintain a record of the type of emission control used for each transfer pump in diisocyanate service and the date of installation. [40 CFR 63.1307], [Federally Enforceable Through Title V]
57. Effective September 15, 2001, any equipment found to leak shall be identified with a readily visible form of identification, marked with the equipment identification number. The identification on a valve may be removed after it has been monitored for two consecutive quarters and found not to leak. The identification for other components may be removed upon repair. [40 CFR 63.1307], [Federally Enforceable Through Title V]
58. Effective September 15, 2001, the following information shall be recorded for each leaking component: 1) the instrument, operator, and equipment identification numbers; 2) the dates of detection and attempted repair; 3) the methods of attempted repair; 4) the words "above leak definition" if the maximum instrument reading measured as specified in this permit is above the leak definition for the specified equipment; 5) the words "repair delayed" and the reason for delay if the leak was not repaired within 15 days after detection; 6) the date of expected repair if the leak was not repaired within 15 days of detection; 7) the date of successful repair; and 8) the date the identification was removed. [40 CFR 63.1307], [Federally Enforceable Through Title V]
59. Effective September 15, 2001, the Owner/Operator shall not use a material containing a concentration of five percent or more of any HAP or combination of HAPs as a mold release agent for molded or rebond polyurethane foam production. [40 CFR 63.1300], [Federally Enforceable Through Title V]
60. Effective September 15, 2001, leak monitoring required by this permit shall comply with Method 21 of 40 CFR part 60, appendix A. The detection instrument shall meet the criteria specified in the method except that the instrument response criteria shall be for the average composition of the source fluid, rather than for each individual VOC, and the average response factor shall be calculated on an inert-free basis. If no instrument is available that will meet the Method 21 performance criteria, the reading from an available instrument may be adjusted by an appropriate response factor for the stream. All monitoring shall be performed when the equipment is in service. [40 CFR 63.1304], [Federally Enforceable Through Title V]

Initial TV Permit

61. Effective September 15, 2001, instruments used to monitor leaks shall be calibrated before use on each day of use in accordance with Method 21 of 40 CFR part 60 appendix A. Calibration gases shall be zero air (less than 10 ppm hydrocarb on in air) and a mixture of methane in air at a concentration of 1000 ppm for transfer pumps, and 500 ppm for all other equipment. [40 CFR 63.1304], [Federally Enforceable Through Title V]
62. On April 28, 2000, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-1-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PRIMARY FOAM PRODUCTION LINE

PERMIT UNIT REQUIREMENTS

1. All lines transferring the raw ingredients into the mixer shall be maintained air tight. [District NSR Rule], [Federally Enforceable Through Title V]
2. No more than 13 tons of foam that contains Methylene Chloride shall be produced in any one hour. [District Rule 4102]
3. No more than 312 tons of all types of foam combined shall be produced in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
4. An hourly record of the amount and type of foam produced shall be maintained on the premises at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Effective September 15, 2001, actual HAP auxiliary blowing agent emissions for each emission point shall not exceed the allowable HAP auxiliary blowing agent emissions for any consecutive 12 month period. The actual HAP auxiliary blowing agent emissions shall be calculated as the sum of the actual HAP emissions for each of the individual 12 months in the period. The allowable HAP emissions shall be calculated as the sum of the allowable HAP emissions for each of the individual 12 months. Compliance shall be determined each month for the previous 12-month. [40 CFR 63.1293], [Federally Enforceable Through Title V]
6. Effective September 15, 2001, the owner/operator shall continuously monitor the amount of polyol added at the mixhead when foam is being poured by monitoring flow rate or pump revolutions. Devices used to monitor polyol shall be calibrated initially and at least every six months thereafter. The owner/operator shall continuously monitor the amount of HAP auxiliary blowing agent added at the mixhead when foam is being poured by monitoring flow rate. Devices used to monitor HAP auxiliary blowing agent shall be calibrated initially and at least once each month recorded at the beginning and end of the production of each grade of foam within a run of foam. Devices used to monitor pump revolutions or flow rate shall be accurate within +/- 2.0 percent of the HAP auxiliary blowing agent flow rate. The date, time, and results of each calibration shall be recorded. [40 CFR 63.1303], [Federally Enforceable Through Title V]
7. The owner/operator shall maintain the following daily records: 1) A log of the foam runs each day, including a list of grades produced during each run; 2) the amount of polyol added to the production line at the mixhead for each run of foam; and 3) effective September 15, 2001, results of the density and IFD testing for each grade of foam produced during each run. Monthly records of 1) the grades of foam produced; 2) the HAP auxiliary blowing agent limit calculated for each grade; 3) the amount of polyol used for each grade; 4) the total allowable HAP auxiliary blowing agent emissions; and 5) the total amount of HAP auxiliary blowing agent added at the mixhead shall also be maintained. [40 CFR 63.1307], [Federally Enforceable Through Title V]
8. Effective September 15, 2001, the owner/operator shall calculate and record the limit for the auxiliary blowing agent for each grade of foam produced. The limit, in parts auxiliary blowing agent per hundred parts polyol, shall be calculated as $-(0.25 \times \text{IFD}) - (19.1 / \text{IFD}) - (16.2 \times \text{DEN}) - (7.56 / \text{DEN}) + 36.5$; where IFD is the indentation force deflection in pounds, and DEN is the foam density in pounds per cubic foot. Negative limit values shall be set to zero. The allowable HAP emissions for each foam grade run shall be calculated by multiplying the calculated limit (in lb emissions/100 lb polyol) by the amount of polyol added at the mixhead (in lbs) divided by 100. [40 CFR 63.1307], [Federally Enforceable Through Title V]
9. Effective September 15, 2001, the owner/operator shall maintain records of the sum of the total allowable and actual HAP auxiliary blowing agent emissions for the month and for the previous 11 months. The total allowable HAP auxiliary blowing agent for the month shall be calculated as the sum of the allowable HAP auxiliary blowing agent emissions for each grade of foam produced. Semiannual reports of required monitoring submitted to the District shall include the total actual and allowable HAP emissions for each 12 month period ending during the period covered by the report. [40 CFR 63.1307], [Federally Enforceable Through Title V]
10. Effective September 15, 2001, the owner/operator shall maintain records of all calibrations of devices used to measure polyol and auxiliary blowing agents. [40 CFR part 63.1307], [Federally Enforceable Through Title V]
11. Effective September 15, 2001, the IFD and density of foam shall be determined using ASTM D3574 using a sample cut from the center of the foam bun. The sample size shall not be larger than 24 inches by 24 inches by 4 inches. Results of IFD and density tests shall be recorded within 10 days of the end of the production run. [40 CFR part 63.1307], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-2-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE (1) 10,000 GALLON METHYLENE CHLORIDE STORAGE TANK

PERMIT UNIT REQUIREMENTS

1. The tanks shall be equipped with a bottom loading fill pipe. [District NSR Rule], [Federally Enforceable Through Title V]
2. No organic liquid, as defined in District Rule 4623 (as amended 12/17/92), shall be placed, held, or stored in the tank. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
3. The storage tanks shall have an operational pressure/vacuum valve set to within ten percent of the tank's maximum allowable working pressure. [District NSR Rule], [Federally Enforceable Through Title V]
4. Methylene chloride storage tank shall be equipped with a vapor balance system that shall be operational during each tank loading event. [District NSR Rule & 40 CFR 63.1295], [Federally Enforceable Through Title V]
5. Effective September 15, 2001, the vapor balance system shall be visually inspected during each tank loading event to ensure that the vapor return line is connected properly and that there are no leaks. If a leak is detected, it must be repaired as soon as practicable, but no later than the subsequent unloading event. [40 CFR 63.1295], [Federally Enforceable Through Title V]
6. Effective September 15, 2001, the following information shall be recorded: 1) Dates and times for each unloading event and each inspection of the vapor return line; 2) Dates and times when any leak is detected; and 3) Dates and times when any leak is repaired. [40 CFR 63.1307], [Federally Enforceable Through Title V]
7. Compliance with this permit is deemed compliance with District Rule 4623 (as amended 12/17/92). A permit shield has been granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-180-3-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

24,000 GALLON TOLUENE DIISOCYANATE STORAGE TANK

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The storage tank shall be equipped with a bottom loading fill pipe. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-4-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

30,000 GALLON TOTAL (3 @ 10,000 GALLONS) STORAGE TANKS FOR DE- 61, FR-2, AND PREPOLYMER 22

PERMIT UNIT REQUIREMENTS

1. The tanks shall be equipped with a bottom loading fill pipe. [District NSR Rule], [Federally Enforceable Through Title V]
2. True vapor pressure of the liquid stored shall not exceed 1.5 psia under actual storage conditions. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Operator shall determine the true vapor pressure of the liquid stored in each tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of liquid entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Effective September 15, 2001, diisocyanate storage vessels shall be equipped with a carbon adsorption system that routes displaced vapors through activated carbon. [40 CFR 63.1294], [Federally Enforceable Through Title V]
6. Effective September 15, 2001, the concentration of diisocyanate in the exhaust stream shall be monitored during each loading event, or once per month during a loading event if multiple loading events occur in one month. The concentration monitoring shall be conducted during filling of the vessel over a five minute interval using EPA Method 25A. [40 CFR 63.1303], [Federally Enforceable Through Title V]
7. Effective September 15, 2001, If there is any indication of diisocyanate breakthrough in the carbon adsorption system, the carbon in the system shall be replaced with fresh carbon prior to the next tank loading event. [40 CFR 63.1303], [Federally Enforceable Through Title V]
8. Effective September 15, 2001, the owner/operator shall maintain records of the dates and times when the carbon adsorption system is monitored for breakthrough, the monitoring device reading, and when carbon is replaced. [40 CFR 63.1303], [Federally Enforceable Through Title V]
9. Compliance with this permit is deemed compliance with District Rule 4623 (amended 12/17/92). A permit shield has been granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-180-5-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

24,000 GALLON (TOTAL) POLYOL 3428 AND 994 STORAGE TANKS.

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tanks shall be equipped with a bottom loading fill pipe. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-6-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:
160 GALLON COLD CLEANING TANK

PERMIT UNIT REQUIREMENTS

1. The degreasing and emission control equipment shall be operated and maintained in good working order. [District Rule 4662, 5.1.1.1], [Federally Enforceable Through Title V]
2. Any leaks in the degreasing equipment shall be repaired immediately, or the degreaser must be shut down and drained. [District Rule 4662, 5.1.1.2], [Federally Enforceable Through Title V]
3. No device designed to cover the solvent degreaser shall be opened unless processing work or maintenance is performed on the degreaser. [District Rule 4662, 5.1.1.3], [Federally Enforceable Through Title V]
4. No porous or absorbent materials shall be degreased. [District Rule 4662, 5.1.1.5], [Federally Enforceable Through Title V]
5. No solvents, including waste solvent and solvent residues, shall be stored or disposed of in such a manner to cause or allow its evaporation into the atmosphere. [District Rule 4662, 5.1.1.6], [Federally Enforceable Through Title V]
6. Waste solvent and solvent residues shall be managed in compliance with California and federal requirements applicable to solid wastes, hazardous wastes, or recyclable materials. [District Rule 4662, 5.1.1.7], [Federally Enforceable Through Title V]
7. Solvent agitation, where necessary, shall only be achieved by pump circulations, or by means of a mixer, or with ultrasonics. Air agitation shall not be used. [District Rule 4662, 5.1.1.8], [Federally Enforceable Through Title V]
8. Cleaned parts shall be drained for at least 15 seconds after cleaning or until dripping ceases. [District Rule 4662, 5.1.1.9], [Federally Enforceable Through Title V]
9. Solvent spraying shall be done at least four inches below the top of the degreaser. [District Rule 4662, 5.1.1.10], [Federally Enforceable Through Title V]
10. Cold cleaner shall be equipped with a freeboard such that the freeboard ratio is greater than or equal to 0.75. [District Rule 4662, 5.1.2.1], [Federally Enforceable Through Title V]
11. The cold cleaner shall be equipped with a container (degreaser) for the solvent and the articles being cleaned. [District Rule 4662, 5.1.2.2], [Federally Enforceable Through Title V]
12. The cold cleaner shall be equipped with a cover which prevents the solvent from evaporating when not processing work in the degreaser. The cover must be designed so that it can be opened and closed easily with one hand. [District Rule 4662, 5.1.2.3], [Federally Enforceable Through Title V]
13. The cold cleaner shall be equipped with a facility for draining cleaned parts such that the drained solvent is returned to the container. [District Rule 4662, 5.1.2.4], [Federally Enforceable Through Title V]
14. Cold cleaner shall be equipped with a permanent, conspicuous label which lists each of the operating requirements in Section 5.1.1. [District Rule 4662, 5.1.2.6], [Federally Enforceable Through Title V]
15. The cold cleaner shall be equipped with a permanent conspicuous mark locating the maximum allowable solvent which conforms with the applicable freeboard requirement in Section 5.1.2.1. [Rule 4662, Section 5.1.2.7], [Federally Enforceable Through Title V]
16. The cold cleaner shall not operate without a minimum freeboard height of 6 inches. [District Rule 4662, 5.1.3.2], [Federally Enforceable Through Title V]
17. The operator shall have solvent manufacturer specification sheets available for review by the District and shall maintain records on a quarterly basis consisting of the following information: 1. The type of degreaser, 2. The type of solvent, 3. The solvent initial boiling point, 4. The volume of solvent used, and 5. The volume of make-up solvent added to the degreaser. [District Rule 4662, 6.1.1], [Federally Enforceable Through Title V]
18. Each time waste solvent or waste solvent residues are removed from the facility, the operator shall keep records of confirming compliance with the acceptable disposal methods listed in Section 5.1.1.7. [District Rule 4662, 6.1.2], [Federally Enforceable Through Title V]

Initial TV Permit

19. Compliance with the requirements of the Title V permit shall be deemed compliance with the following applicable requirements: District Rule 4662. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-7-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

NON-WOVEN POLYESTER FIBER PRODUCTION LINE: OPENING AND BENDING MACHINE, WEB FORMING MACHINERY, VACUUM MANIFOLD, AND NATURAL GAS DRYER. *** DELETED PER APPLICANT'S REQUEST 11/9/99 - NRP ***

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No more than 500 pounds of expandable polystyrene (EPS) beads shall be used in any one day. [District Rule 2201]
3. No more than 36,000 pounds of EPS beads shall be used in any calendar year. [District Rule 2201]
4. The EPS beads shall contain no more than 7% pentane, by weight. [District Rule 2201]
5. A daily record of the amount of beads used shall be maintained at all times. [District Rule 2201]
6. All records shall be retained for a minimum of 2 years, and shall be made available for District inspection upon request. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-8-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

CONDENSER FEEDING SYSTEM (FIBER CONDENSING AND CLASSIFICATION UNIT), MANUFACTURED BY FIBRE-TEC SYSTEMS INC. (MODEL #C-12-24), SERVED BY A BAGHOUSE AND FIBER SEPERATION SYSTEM. *** DELETED PER APPLICANT'S REQUEST 11/9/99 - NRP ***

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
5. Particulate matter emissions from any single source operation shall be no more than 0.1 gr/dscf and visible emissions from any single emission point shall be less than 20% opacity. [District Rules 4101 and 4201]
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
7. There shall be no visible emissions from the baghouse. [District NSR Rule]
8. PM10 emissions shall not exceed 1.0 lbs/day. [District NSR Rule]
9. The differential pressure gauge increments shall be in inches of water with a minimum scale of 10 inches of water. [District NSR Rule]
10. The pressure drop across the bags shall not be less than 1 inch of water column and shall not exceed 5 inches of water column. [District NSR Rule]
11. All ducting, to and from the fibre condensing and classification unit, shall be adequately sealed to prevent fugitive emissions. [District NSR Rule]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-9-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: TWO (2) SURGE BINS

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The filter screens shall be kept in good working condition and free of tears and holes at all times. []
5. The hog shall be enclosed at all times during operation. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-10-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

GLUE GUN OPERATION: (32) DEVILBISS, TYPE JGA-502, GLUE GUNS.

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Records of types and daily amounts used of all organic solvent containing material shall be maintained, retained on the premises for at least two years and made available for District inspection upon request. [District Rule 4661]
3. The volatile organic emissions shall comply with the requirements of Rule 4661 (Organic Solvents). [District Rule 4661]
4. No more than 47.0 pounds of VOC shall be emitted in any one day. []
5. The Applicant shall submit, for the District's approval, Material Safety Data Sheets 30 days prior to the use of any new glues. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-11-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

NON WOVEN POLYSTER PRODUCTION LINE MODIFICATION TO 88-180. (**PERMITTED UNDER N-180-7-0. THIS IS A MODIFICATION OF THAT PERMIT. **)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The permittee shall obtain all permits and/or authorizations required by the Planning and Building Departments. []
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. []
4. Authorization to use new compounds may be obtained by submitting the material specifications no later than 30 days prior to its intended use. []
5. Visible emissions shall be limited to less than 20% opacity. []
6. Particulate matter emissions shall not exceed 0.1 grain per scf in concentration. []
7. No more than 450 pounds of latex shall be used in any one day. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-12-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: SIZE REDUCTION HOG **** PERMIT DELETED PER APPLICANT'S REQUEST -- NRP - 1/26/2000

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. Filter screens shall be kept in good working condition and free of tears and holes at all times. [District NSR Rule]
3. The hog shall be kept enclosed at all times. [District NSR Rule]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-13-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: EQUIPMENT TO REMOVE FOREIGN OBJECTS AND TO CLASSIFY GRANULATED URETHANE FOAM SERVED BY CYCLONES AND BAG FILTERS; SIX (6) GRANULATED FOAM STORAGE BINS

PERMIT UNIT REQUIREMENTS

1. The foreign object removal line will be served by a consolidating cyclone with a filter head, a skin cyclone with a filter head, a transfer cyclone with a filter head, two elutriators, a skin granulator, a stoner deck and various bins and transfer fans. [District NSR Rule], [Federally Enforceable Through Title V]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
6. Visible emissions from the dust collectors shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule], [Federally Enforceable Through Title V]
7. The PM10 emissions from the entire system shall not exceed 0.042 pounds per ton of foam processed. [District NSR Rule], [Federally Enforceable Through Title V]
8. No more than 140 tons of foam shall be processed in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
9. A daily record of the amount of foam processed (in pounds) shall be maintained at all times and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Particulate matter emissions shall not exceed 0.1 grains/dscf [District Rule 4201], [Federally Enforceable Through Title V]
11. Visible emissions from dust collectors shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Dust collector filtes shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4201 and County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-14-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: DRY MIXER.

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 3. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 4. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4201 and County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-15-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: ENCLOSED WET MIXER AND CONVEYOR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
2. Only the prepolymer material approved by the District shall be used. Authorization to obtain a new compound shall be obtained from the District no later than 15 days prior to the initial use of the compound. [District NSR Rule], [Federally Enforceable Through Title V]
3. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4201 and County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-16-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

BONDED FOAM LINE: CUT OFF SAW.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
5. Only the prepolymer material approved by the District shall be used. Authorization to obtain a new compound shall be obtained from the District no later than 15 days prior to the initial use of the compound. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-17-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE (1) CLEAVER BROOKS BOILER, MODEL #CB700-150BHP, WITH A 6.28 MMBTU/HR CLEAVER BROOKS BURNER WITH FGR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
2. The boiler shall be fired only on either PUC-regulated natural gas or natural gas with a sulfur content of 3.3% by weight or less. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx emission concentration shall not exceed 30 ppmvd @ 3% O2 or 0.036 lbs/MMBtu when fired on natural gas. The source test plan shall identify which basis will be used to demonstrate compliance. [District Rule 4305, 5.1]
4. The CO emission concentration shall not exceed 400 ppmvd @ 3% O2 when firing on natural gas. [District Rule 4305, 5.2]
5. The emission concentration shall not exceed 0.0058 lb VOC/MMBtu, 0.0119 lb PM10/MMBtu, nor 0.0006 lb SOx/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing to demonstrate compliance with NOx and CO emissions limits shall be conducted as required by Rule 4305 (Boilers, Steam Generators, and Process Heaters). [District Rule 4305]
7. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing to measure concentrations of oxides of nitrogen (as NO2) shall be conducted using EPA method 7E or CARB method 100. [District Rule 4305]
11. Source testing to measure concentrations of carbon monoxide (CO) shall be conducted using EPA method 10 or CARB method 100. [District Rule 4305]
12. Source testing to measure the stack gas oxygen shall be conducted using EPA methods 3 or 3A, or CARB method 100. [District Rule 4305]
13. The acceptable minimum flue gas recirculation rate shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable flue gas recirculation rate shall be the minimum flue gas recirculation rate with which compliance with applicable NOx and CO emissions limits have been demonstrated through source testing at a similar firing rate. [District Rule 4305, 5.4]
14. The flue gas recirculation rate shall be determined at least on a weekly basis by measuring the stack temperature (Ts), windbox temperature (Tw), and ambient temperature (Ta) and using the following equation: $FGR\ rate = \{(Tw - Ta)/(Ts - Ta)\} * 100\%$ [District Rule 4305, 5.4]
15. The permittee shall maintain records of the date and time of temperature measurements, the measured temperatures, and the calculated flue gas recirculation rate. The records shall also include a description of any corrective action taken to maintain the flue gas recirculation rate above the minimum acceptable range. These records shall be retained at the facility for a period of no less than 2 years and shall be made available for District inspection upon request. [District Rule 4305, 5.4]
16. If the flue gas recirculation rate is less than the acceptable level, the permittee shall notify the District and take corrective action within one (1) hour after detection. If the flue gas recirculation rate is not corrected promptly, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emissions limits at the lower flue gas recirculation rate. [District Rule 4305, 5.4]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]

Initial TV Permit

18. If the boiler is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the boiler shall be determined using ASTM method D1072-80, D3031-81, D4084-82, or D3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the boiler is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the boiler is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rules 4201, 4301, 4801, 1081 and County Rules 108.1, 404, 407, 407.2, 408, and 408.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-18-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

APPLICATION OF ADHESIVES TO FOAM SLABS

PERMIT UNIT REQUIREMENTS

1. This operation shall comply with Rule 4653 Section 5.1 requirements (Adhesives). [District Rule 4653]
2. Spray application of the adhesives shall only be performed using airless, air assisted airless, high volume low pressure, disposable aerosol containers, or electrostatic spray equipment. [District Rule 4653, 5.1.3]
3. Cleaning materials containing more than 250 grams of VOC per liter of material shall not be used as a part of this operation except in enclosed equipment cleaners. [District Rule 4653, 5.2]
4. The Methylene Chloride content of any adhesive used as a part of this operation shall not exceed 60% by weight. [District Rule 4102]
5. The VOC emissions shall not exceed 3.9 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Operator shall maintain daily records of type and quantity of all adhesives, primers, and solvents used in each operation; records of the VOC content, in grams VOC per liter, of all adhesive materials used or stored at facility; and records of composite vapor pressure of all solvents used or stored at the facility. [District Rule 4653, 6.1.1]

Initial TV Permit

**San Joaquin Valley
Air Pollution Control District**

PERMIT UNIT: N-180-19-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE (1) ENERCON INDUSTRIES CORP. MODEL LM 241-1 CORONA TREATER USED TO TREAT POLYETHYLENE FILM
PRIOR TO BEING APPLIED TO CARPET CUSHION

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-20-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE (1) 267 BHP CATERPILLAR MODEL #64ZO377 TURBOCHARGED DIESEL FIRED IC ENGINE POWERING AN EMERGENCY FIRE PUMP.

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. The engine shall be equipped with a turbocharger. [District NSR Rule], [Federally Enforceable Through Title V]
10. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
11. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. [District NSR Rule], [Federally Enforceable Through Title V]
12. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule], [Federally Enforceable Through Title V]
13. The permittee shall maintain daily records of hours of emergency and non-emergency operation and of the sulfur content of the diesel fuel used and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-180-21-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ADHESIVE APPLICATION PROCESS: COMBINING PRIME FOAM PIECES WITH OTHER TYPES OF FOAM

PERMIT UNIT REQUIREMENTS

1. This operation shall comply with Rule 4653 Section 5.1 requirements (Adhesives). [District Rule 4653]
2. Spray application of the adhesives shall only be performed using airless, air assisted airless, high volume low pressure, disposable aerosol containers, or electrostatic spray equipment. [District Rule 4653, 5.1.3]
3. Cleaning materials containing more than 250 grams of VOC per liter of material shall not be used as a part of this operation except in enclosed equipment cleaners. [District Rule 4653, 5.2]
4. The Methylene Chloride content of any adhesive used as a part of this operation shall not exceed 60% by weight. [District Rule 4102]
5. The VOC emissions shall not exceed 8.4 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Operator shall maintain daily records of type and quantity of all adhesives, primers, and solvents used in each operation; records of the VOC content, in grams VOC per liter, of all adhesive materials used or stored at facility; and records of composite vapor pressure of all solvents used or stored at the facility. [District Rule 4653, 6.1.1]

Initial TV Permit